

The system, including an emotion detector wherein an exercise can be increased, decreased, or stopped based on detected emotion.

The system, wherein the detector comprises video detection of faces or a GSR sensor.

The system including a cloud storage to receive sensor data.

The system, including a golf training module that checks that a golfer has a low center of gravity to remain balanced throughout a swing path, that a swing starts with the arms moving back in a straight line, and when a club head reaches the level of the hip, a wrist cock acts as a hinge along with the left knee (for a right handed swing), building up torque by moving into the same line as the belly button before the start of the upswing. As the swing continues to the top of the backswing (again for right handed golf swing), the golfer's left arm is straight and a right arm is hinged at the elbow.

The system, wherein the golf training module checks that a downswing begins with the hips and the lower body and as the golfer's hips turn into the shot, the right elbow drops down, hugging the right side of the golfer's torso and wrists begin to snap through from the wrist cock in the backswing.

The system, including a soccer training module with kinematics of ball control, dribbling, passing, crossing, shooting, heading, volleying, taking throw-ins, penalties, corner kicks and free kicks, tackling, marking, juggling, receiving, shielding, clearing, and goalkeeping.

The system, including a basketball training module with kinematics of crossover dribble, behind back, pull back dribble, low dribble, basic dribble, between legs dribble, Overhead Pass, Chest Pass, Push Pass, Baseball Pass, Off-the-Dribble Pass, Bounce Pass, Jump Shot, Dunk, Free throw, Layup, Three-Point Shot, Hook Shot.

The system, including a baseball training module with kinematics of Hitting, Bunting, Base Running and Stealing, Sliding, Throwing, Fielding Ground Balls, Fielding Fly Balls, Double Plays and Relays, Pitching and Catching, Changing Speeds, Holding Runners, Pitching and Pitcher Fielding Plays, Catching and Catcher Fielding Plays.

[0626] Data from multiple exercise sessions may be collected and used to compile a history of the user's habits over an extended period of time, enabling the user's trainer to better understand user compliance issues. The trainer can review the data with the user and view the animations of the user's exercise sessions during an office visit, allowing the trainer to better instruct the user in proper brushing technique. The trainer can also review the patient's brushing history over time, to determine whether the patient's exercise technique is improving.

[0627] The sensor 14 can be integrated into objects already associated with the sporting activity. In one aspect, the sensing unit is integrated into the ski boot or other boot. In another aspect, the sensing unit is integrated into the binding for a ski boot or snowboarder boot. In still another aspect, the sensing unit is integrated into a ski, snowboard, mountain bike, windsurfer, windsurfer mast, roller blade boot, skate-board, kayak, or other sport vehicle. Collectively, the sport objects such as the ski boot and the variety of sport vehicles are denoted as "sport implements". Accordingly, when the sensing unit is not "stand alone", the housing which integrates the controller subsystem with one or more sensors and battery can be made from the material of the associated sport implement, in whole or in part, such that the sensing unit becomes integral with the sport implement. The universal interface is therefore not desired in this aspect.

[0628] One skilled in the art will appreciate that, for this and other processes and methods disclosed herein, the functions performed in the processes and methods may be implemented in differing order. Furthermore, the outlined steps and operations are only provided as examples, and some of the steps and operations may be optional, combined into fewer steps and operations, or expanded into additional steps and operations without detracting from the essence of the disclosed embodiments.

[0629] The embodiments described herein may include the use of a special purpose or general-purpose computer including various computer hardware or software modules, as discussed in greater detail below.

[0630] Embodiments described herein may be implemented using computer-readable media for carrying or having computer-executable instructions or data structures stored thereon. Such computer-readable media may be any available media that may be accessed by a general purpose or special purpose computer. By way of example, and not limitation, such computer-readable media may include tangible computer-readable storage media including RAM, ROM, EEPROM, CD-ROM or other optical disk storage, magnetic disk storage or other magnetic storage devices, or any other storage medium which may be used to carry or store desired program code in the form of computer-executable instructions or data structures and which may be accessed by a general purpose or special purpose computer. Combinations of the above may also be included within the scope of computer-readable media. Computer-executable instructions comprise, for example, instructions and data which cause a general purpose computer, special purpose computer, or special purpose processing device to perform a certain function or group of functions. Although the subject matter has been described in language specific to structural features and/or methodological acts, it is to be understood that the subject matter defined in the appended claims is not necessarily limited to the specific features or acts described above. Rather, the specific features and acts described above are disclosed as example forms of implementing the claims. As used herein, the term "module" or "component" may refer to software objects or routines that execute on the computing system. The different components, modules, engines, and services described herein may be implemented as objects or processes that execute on the computing system (e.g., as separate threads). While the system and methods described herein may be preferably implemented in software, implementations in hardware or a combination of software and hardware are also possible and contemplated. In this description, a "computing entity" may be any computing system as previously defined herein, or any module or combination of modules running on a computing system. All examples and conditional language recited herein are intended for pedagogical objects to aid the reader in understanding the invention and the concepts contributed by the inventor to furthering the art, and are to be construed as being without limitation to such specifically recited examples and conditions. Although embodiments of the present inventions have been described in detail, it should be understood that the various changes, substitutions, and alterations could be made hereto without departing from the spirit and scope of the invention.

What is claimed is:

1. A device comprising:

at least one microphone to receive audio;

a processor to execute a first security level authentication and based on predetermined operations, executes a second security level authentication by checking a